

IN THE CLAIMS:

Please amend the claims as follows:

1. (Four Times Amended) [An] A non-threaded interbody spinal fusion implant for insertion across a disc space between adjacent vertebral bodies of a human spine, the implant comprising a body having an insertion end, a trailing end, a length between said ends, and an outer surface including bone engaging means for engaging said implant to adjacent vertebral bodies of the spine, the outer locus of said bone engaging means forming a substantially frusto-conical configuration along at least a portion of said bone engaging means that is adapted to contact the adjacent vertebral bodies when implanted in the spine, said substantially frusto-conical configuration being along at least a portion of the length of said implant nearer said trailing end than said insertion end, said implant being made of a material appropriate for human implantation.

26. (Thrice Amended) [An] A non-threaded interbody spinal fusion implant for insertion across a disc space between two adjacent vertebral bodies of a human spine, said implant comprising a body having a substantially frusto-conical configuration along [at least] a sufficient portion of said body [oriented toward] that is adapted to contact the adjacent [vertebrae] vertebral bodies when implanted in the spine so as to maintain an angulation of the adjacent vertebral bodies relative to one another, said body having an insertion end, a trailing end, and an outer surface including

bone engaging means for engaging said implant to the adjacent vertebral bodies, the locus of said bone engaging means forming a substantially cylindrical configuration, said implant being made of a material appropriate for human implantation.

53. (Twice Amended) [An] A non-threaded interbody spinal fusion implant for insertion across a disc space between the adjacent vertebral bodies, the implant comprising a body having a substantially frusto-conical configuration along a sufficient portion of said body that is adapted to contact the adjacent vertebral bodies when implanted in the spine so as to maintain an angulation of the adjacent vertebral bodies relative to one another, said body having, an insertion end, a trailing end, and an outer surface including bone engaging means for engaging said implant to the adjacent vertebral bodies, the outer locus of said bone engaging means forming a substantially frusto-conical configuration, said implant being made of a material appropriate for human implantation.

77. (Twice Amended) [An] A non-threaded interbody spinal fusion implant for insertion across a disc space between adjacent vertebral bodies of a human spine, the implant comprising a body having a substantially cylindrical configuration, an insertion end, a trailing end, and an outer surface including a plurality of posts having a head and a stem, said head being wider than said stem, said posts being spaced apart along at least a portion of said outer surface of said body for engaging said implant to adjacent vertebral bodies of the spine, the locus of said plurality of posts forming a substantially cylindrical configuration, said implant being made of a material appropriate for human implantation.

98. (Twice Amended) [An] A non-threaded interbody spinal fusion implant for insertion across a disc space between two adjacent vertebral bodies of a human spine, the implant comprising a body having a substantially frusto-conical configuration along a sufficient portion of said body that is adapted to contact the adjacent vertebral bodies

when implanted in the spine so as to maintain an angulation of the adjacent vertebral bodies relative to one another, said body having, an insertion end, a trailing end, and an outer surface including bone engaging means for engaging said implant to the adjacent vertebral bodies, said implant being made of a material appropriate for human implantation.

124. (Twice Amended) [An] A non-threaded interbody spinal fusion implant for insertion across the disc space between adjacent vertebral bodies of a human spine, the implant comprising a body having an insertion end, a trailing end, a length between said ends, and an outer surface bone engaging means for engaging said implant to adjacent vertebral bodies of the spine, the outer locus of said bone engaging means forming a substantially frusto-conical configuration that is along a portion of said bone engaging means adapted to contact the adjacent vertebral bodies when implanted in the spine and is along at least a portion of the length of said implant nearer said trailing end than said insertion end, said implant being made of a material appropriate for human implantation.

131. (Thrice Amended) A non-threaded spinal fusion implant for insertion across the disc space between adjacent vertebral bodies of a human spine, said implant comprising a body having an outer locus larger than the space between two adjacent vertebral bodies to be fused and being formed of a mesh-like material capable of supporting two adjacent vertebral bodies in a spaced apart relationship to each other, said mesh-like material having a plurality of interstices for receiving fusion promoting material and for engaging said implant to said adjacent vertebral bodies of the spine, said implant being made of a material appropriate for human implantation.

137. (Twice Amended) [An] A non-threaded interbody spinal fusion implant for insertion across a disc space between two adjacent vertebral bodies of a human spine, the implant comprising a body having a first end, a second end, a length between said ends, arcuate portions adapted to contact the adjacent vertebral bodies when implanted in the spine, and a distance between said arcuate portions increasing from said first end to said second end along a sufficient portion of the length of said implant so as to maintain angulation of the adjacent vertebral bodies relative to one another; and

bone engaging means for engaging said implant to the adjacent vertebral bodies.

145. (Twice Amended) [An] A non-threaded interbody spinal fusion implant for insertion across a disc space between two adjacent vertebral bodies of a human spine, the implant comprising:

a body having a first end, a second end, a length between said ends, and an outer surface including bone engaging means for engaging said implant to the adjacent vertebral bodies, said bone engaging means having arcuate portions adapted to contact the adjacent vertebral bodies when implanted in the spine, and a distance between said arcuate portions increasing from said first end to said second end along a sufficient portion of the length of said implant so as to maintain an angulation of the adjacent vertebral bodies relative to one another.

169. (Amended) A non-threaded spinal fusion implant for insertion across the disc space between adjacent vertebral bodies of a human spine, said implant comprising a body having an outer locus larger than the space between two adjacent vertebral bodies to be fused and being formed of a cancellous material capable of supporting two adjacent vertebral bodies in a spaced apart relationship to each other, said cancellous